

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended): A method for monitoring the operation of a distributed transaction system that is operable to process one or more transactions, each of which is comprised of a plurality of discrete processes each operating independent of each other and operating independent of the entire transaction, and which transaction as a whole is operable to perform a transaction on data when transferring data from a first location on a network to a second location on the network and the transaction comprised of operating on the data at intermediate nodes in the system with one or more of the plurality of discrete processes during the transaction wherein each of the discrete processes requires information and data from another previously executed one of the discrete processes prior to transferring data therefrom, comprising the steps of:

determining when a transaction has been initiated from the first location and has been transferred to the one of the intermediate nodes in the network;

logging the initiation of the transaction at a central location on the network;

determining when the initiated transaction has been completed by transfer of the processed data to the second location on the network from the last of the intermediate nodes in the network that has operated on the data;

monitoring the length of time that the initiated one of the plurality of processes requires for completion at a given one of the intermediate nodes; and

logging the completion of the transaction at the central location on the network in addition to the time information determined in the step of monitoring.

Claim 2 (Currently Amended): The method of Claim 1, and further comprising the steps of:

determining when one of the plurality of processes associated with the initiated transaction has been initiated on a given the given one of the intermediate nodes associated with the initiated transaction;

logging the initiation of the one of the plurality of processes that has been initiated at a

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local location on the network;

determining when the initiated one of the plurality of processes has been completed on the given intermediate node; and

10 logging the completion of the initiated one of the plurality of processes at the local location on the ~~network~~ network.

Claim 3 (Canceled).

Claim 4 (Previously Presented): The method of Claim 3, wherein the step of monitoring the length of time that the initiated one of the plurality of processes requires for completion at the given one of the intermediate nodes comprises the steps of:

5 initiating a process timer when the initiated one of the plurality of processes has been initiated;

comparing the value of the timer with a predetermined process completion time for the initiated one of the plurality of processes to be completed;

if not completed, logging an error message to the central location that the initiated one of the plurality of processes has not been completed within the predetermined process completion time.

Claim 5 (Currently Amended): The method of Claim 4, wherein the step of logging the error message further includes sending a notification to a predetermined location that the initiated one of the processes has not been completed during the predetermined process completion time time.

Claim 6 (Previously Presented): The method of Claim 4, and further comprising the step of determining if the initiated one of the plurality of processes is still running on the given one of the intermediate nodes after a determination of not complete and, if so, then resetting the process timer back by a predetermined amount of time prior to the step of logging the error message to the central location.

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Claim 7 (Previously Presented): The method of Claim 4, and further comprising the step of monitoring the process through each step of the process and logging predetermined information regarding each step of the initiated one of the plurality of processes as to progress of the initiated one of the plurality of processes at the given node.

Claim 8 (Previously Presented): The method of Claim 7, wherein the step of logging the error message further comprises the step of logging the predetermined process step wherein the initiated one of the plurality of processes was determined to have not been completed during the predetermined process completion time.

Claim 9 (Previously Presented): The method of Claim 8, and further comprising the steps of:
storing information regarding the initiated one of the plurality of processes, such that
the initiated one of the plurality of processes can be reinitiated at the given one of the nodes; and
reinitiating the initiated one of the plurality of processes determined to have not been
5 completed during the predetermined process completion.

Claim 10 (Previously Presented): The method of Claim 1, and further comprising the step of monitoring the length of time that the initiated one of the transactions requires for completion.

Claim 11 (Previously Presented): The method of Claim 10, wherein the step of monitoring the length of time that the transaction requires for completion comprises the steps of:

initiating a process timer when the initiated one of transactions has been initiated;
comparing the value of the timer with a predetermined transaction completion time for
5 the initiated one of the transactions;
if not completed, logging an error message to the central location that the initiated one of the transactions has not been completed within the predetermined transaction completion time.

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Claim 12 (Previously Presented): The method of Claim 11, wherein the step of logging the error message further includes sending a notification to a predetermined location that the initiated one of the transactions has not been completed during the predetermined transaction completion time.

Claim 13 (Previously Presented): The method of Claim 1, where there is a plurality of data associated with each of the transactions and transaction parameters associated therewith to define the transaction in the system, and further comprising the step of storing the plurality of data associated with each of the transactions and transaction parameters associated therewith in an archive.

Claim 14 (Previously Presented): The method of Claim 13, and wherein the step of logging comprises logging a pointer to the plurality of data associated with each of the transactions and transaction parameters associated therewith stored in the archive and information associated with the progress of the transaction on each of the intermediate nodes.

Claim 15 (Currently Amended): The method of Claim 14, and further comprising filtering the logged information and storing ~~[[t he]]~~ the filtered logged information in an external log and allowing restricted access thereto by an external system for review thereof.

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